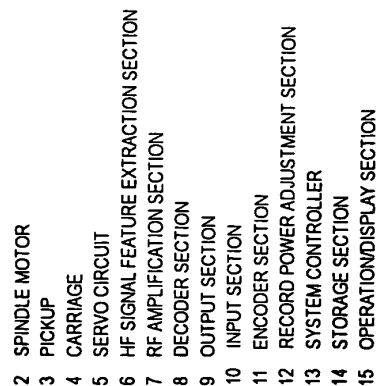


List



- | | |
|----|------------------------------|
| 2 | SPINDLE MOTOR |
| 3 | PICKUP |
| 4 | CARRIAGE |
| 5 | SERVO CIRCUIT |
| 6 | HF SIGNAL FEATURE EXTRACTION |
| 7 | RF AMPLIFICATION SECTION |
| 8 | DECODER SECTION |
| 9 | OUTPUT SECTION |
| 10 | INPUT SECTION |
| 11 | ENCODER SECTION |
| 12 | RECORD POWER ADJUSTMENT |
| 13 | SYSTEM CONTROLLER |
| 14 | STORAGE SECTION |
| 15 | OPERATION/DISPLAY SECTION |

T04260" E3T19660

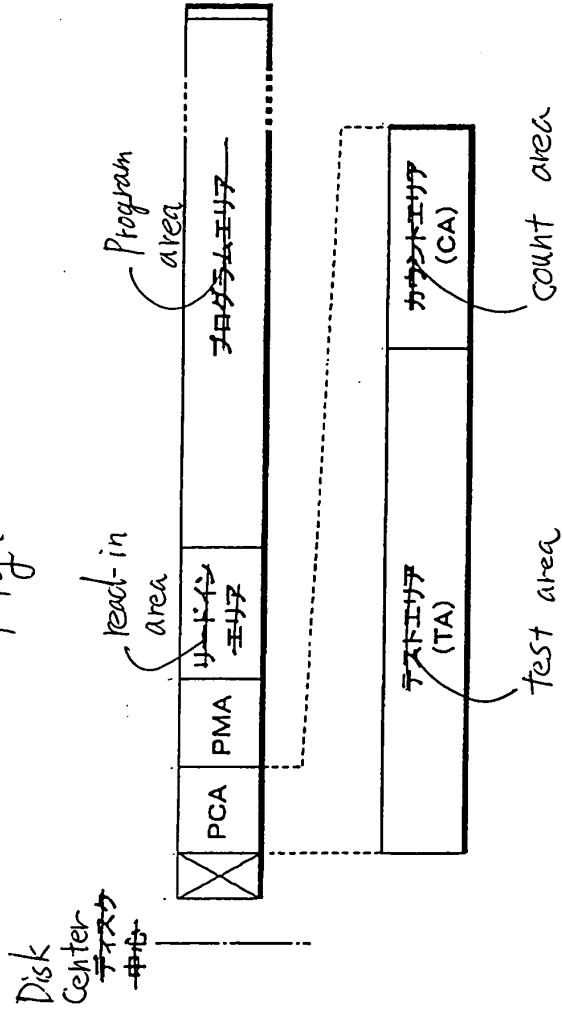
Fig. 2

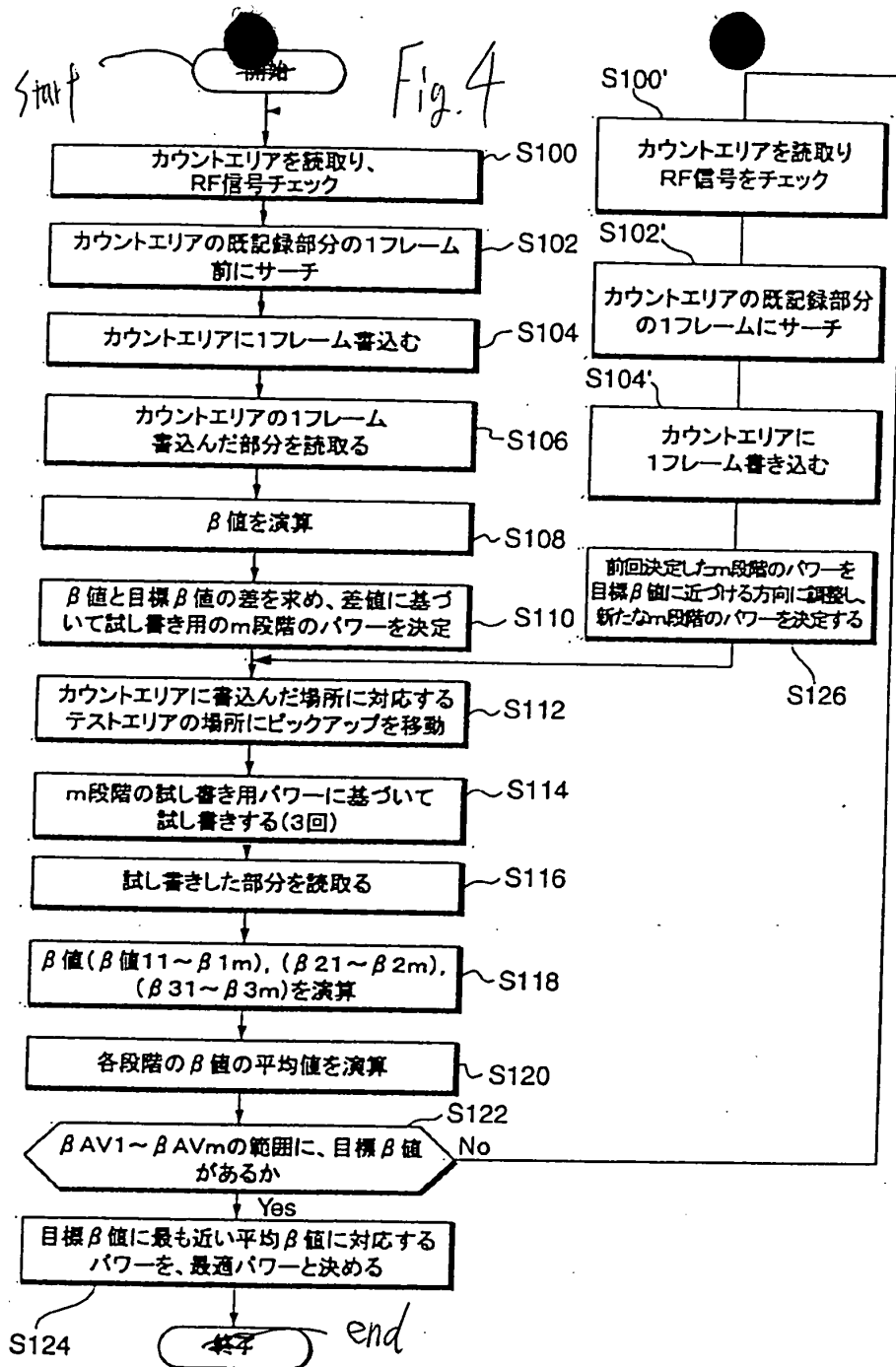
Disk type. ディスクの種類 (k)	target β value Data. 目標 β 値データ β_k
光ディスクA (k=1)	β_1
光ディスクB (k=2)	β_2
光ディスクC (k=3)	β_3
光ディスクD (k=4)	β_4

Optical disk

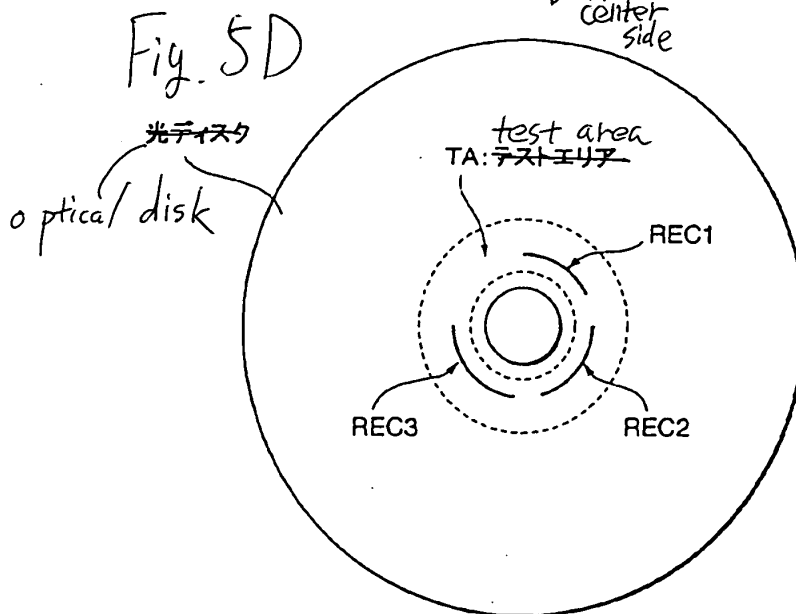
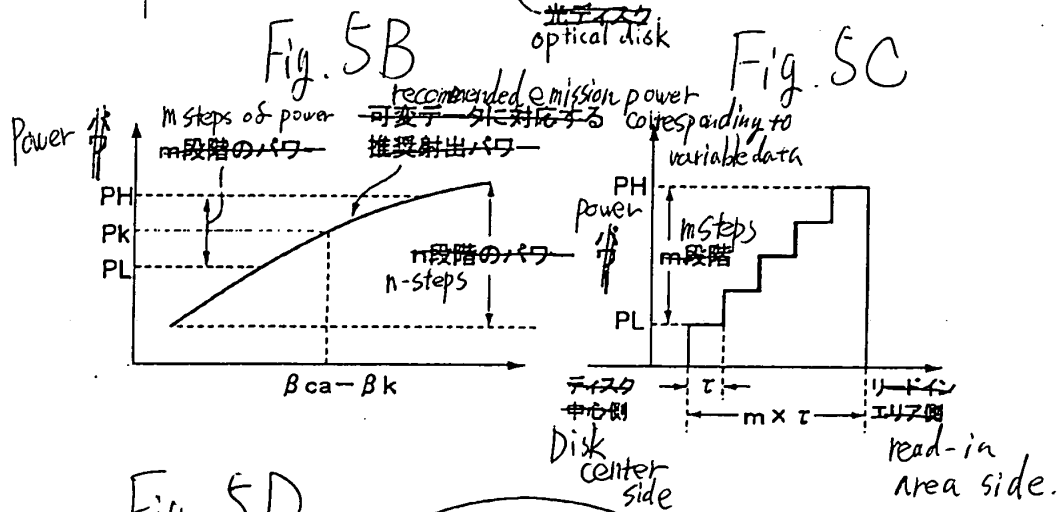
TOP SECRET 960

Fig. 3





- S100 READ COUNT AREA AND CHECK RF SIGNAL
- S102 SEARCH FOR LOCATION ONE FRAME BEFORE ALREADY RECORDED PORTION OF COUNT AREA
- S104 WRITE ONE FRAME INTO COUNT AREA
- S106 READ PORTION OF COUNT AREA INTO WHICH ONE FRAME IS WRITTEN
- S108 CALCULATE β value
- S110 FIND DIFFERENCE BETWEEN β value AND TARGET β value AND DETERMINE M STEPS OF POWER FOR TRIAL WRITE BASED ON DIFFERENCE VALUE
- S112 MOVE PICKUP TO LOCATION OF TEST AREA CORRESPONDING TO DATA WRITTEN INTO THE COUNT AREA
- S114 EXECUTE TRIAL WRITE THREE TIMES BASED ON M STEPS OF TRIAL WRITE POWER
- S116 READ TRIAL WRITE PORTIONS
- S118 CALCULATE β values (b_{11} TO b_{1m}), (b_{21} TO b_{2m}), AND (b_{31} TO b_{3m})
- S120 CALCULATE AVERAGE VALUE OF β values AT EACH STEP
- S122 DOES TARGET β value LIE IN RANGE OF b_{AV1} TO b_{AVm} ?
- S124 DETERMINE THAT POWER CORRESPONDING TO AVERAGE β value CLOSEST TO TARGET β value IS OPTIMUM POWER
- S126 ADJUST M STEPS OF POWER DETERMINED AT THE PRECEDING TIME IN DIRECTION OF BRINGING CLOSE TO TARGET β value AND DETERMINE NEW M STEPS OF POWER
- S100' READ COUNT AREA AND CHECK RF SIGNAL
- S102' SEARCH FOR LOCATION ONE FRAME BEFORE ALREADY RECORDED PORTION OF COUNT AREA
- S104' WRITE ONE FRAME INTO COUNT AREA



0961183-092401

Fig. 6

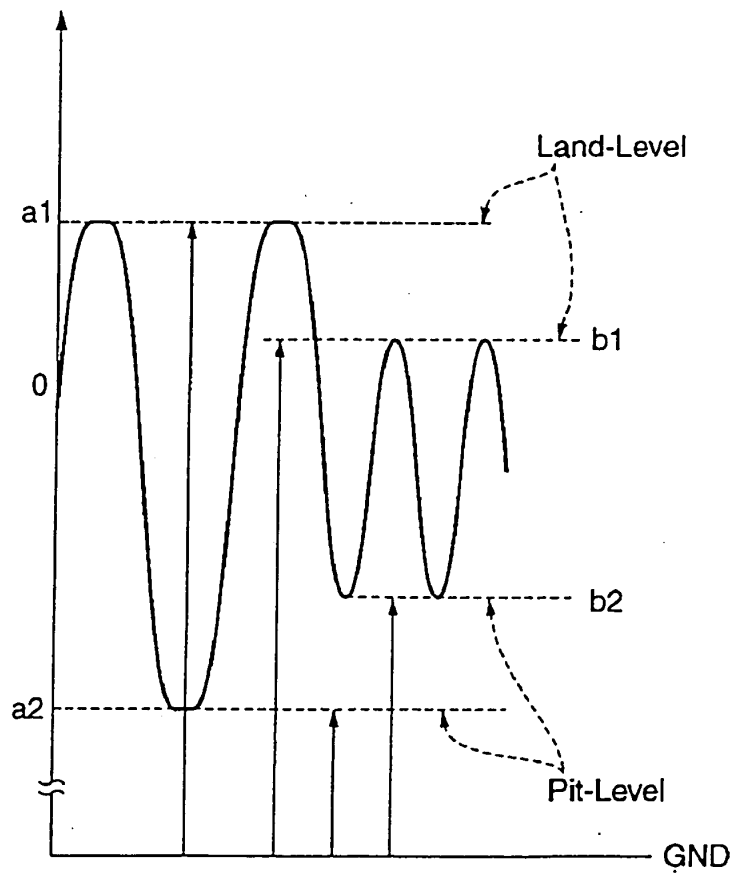


Fig. 7A

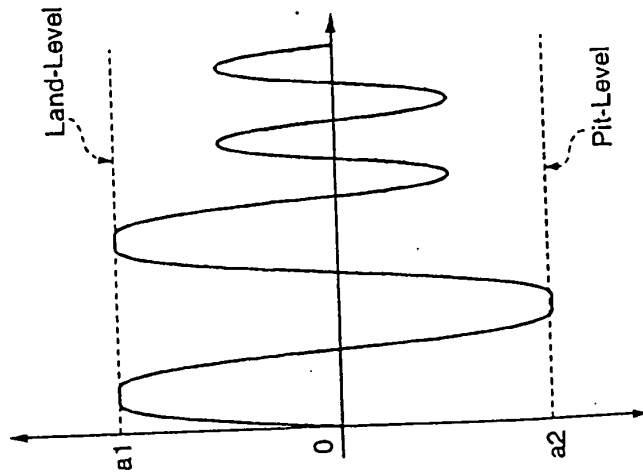


Fig. 7B

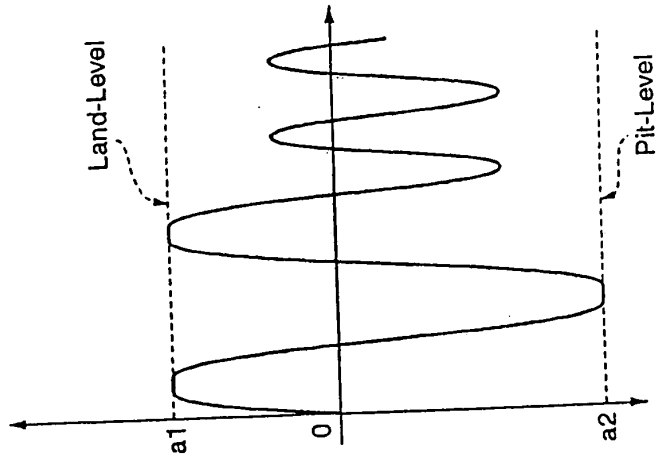
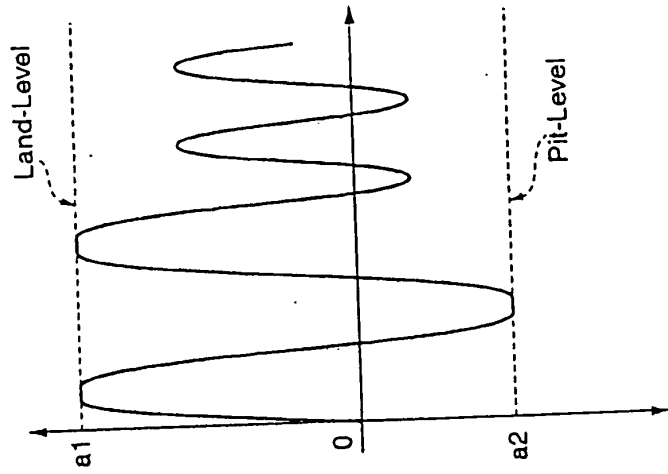


Fig. 7C



09061183-092401
104260 EBT 9660

Fig. 8A

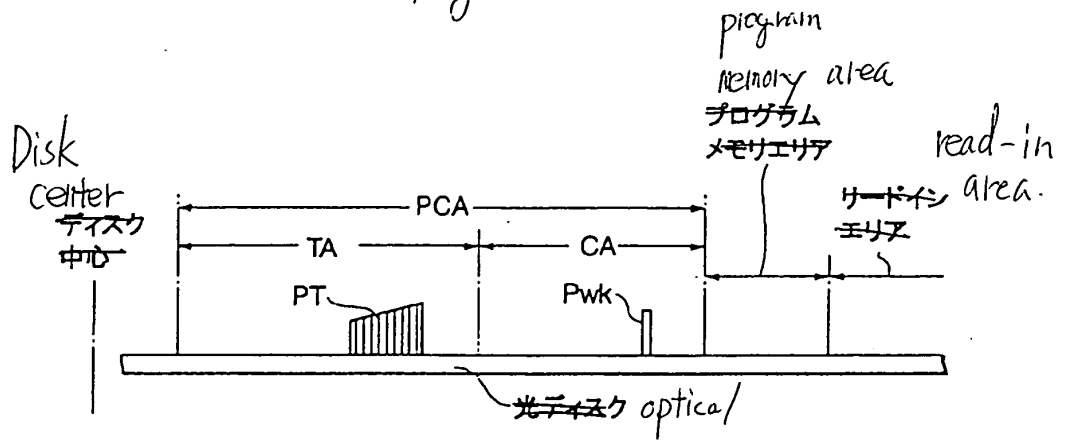


Fig. 8B

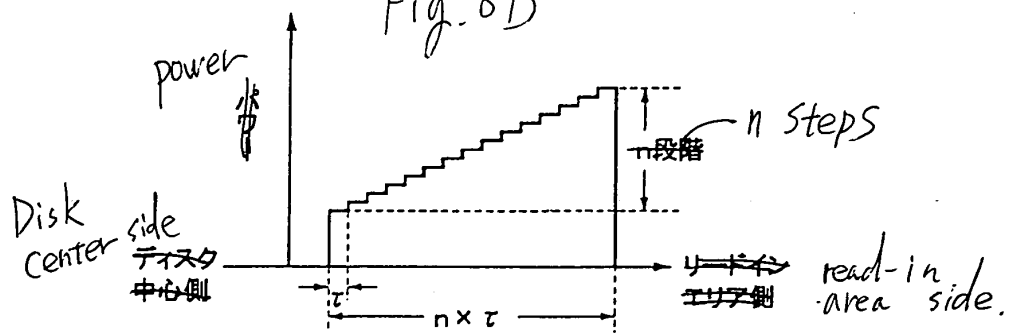


Fig. 8C

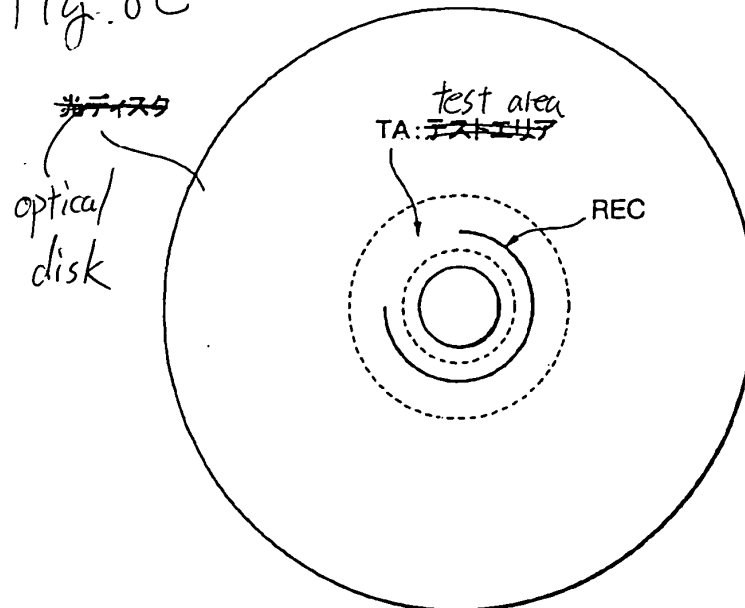
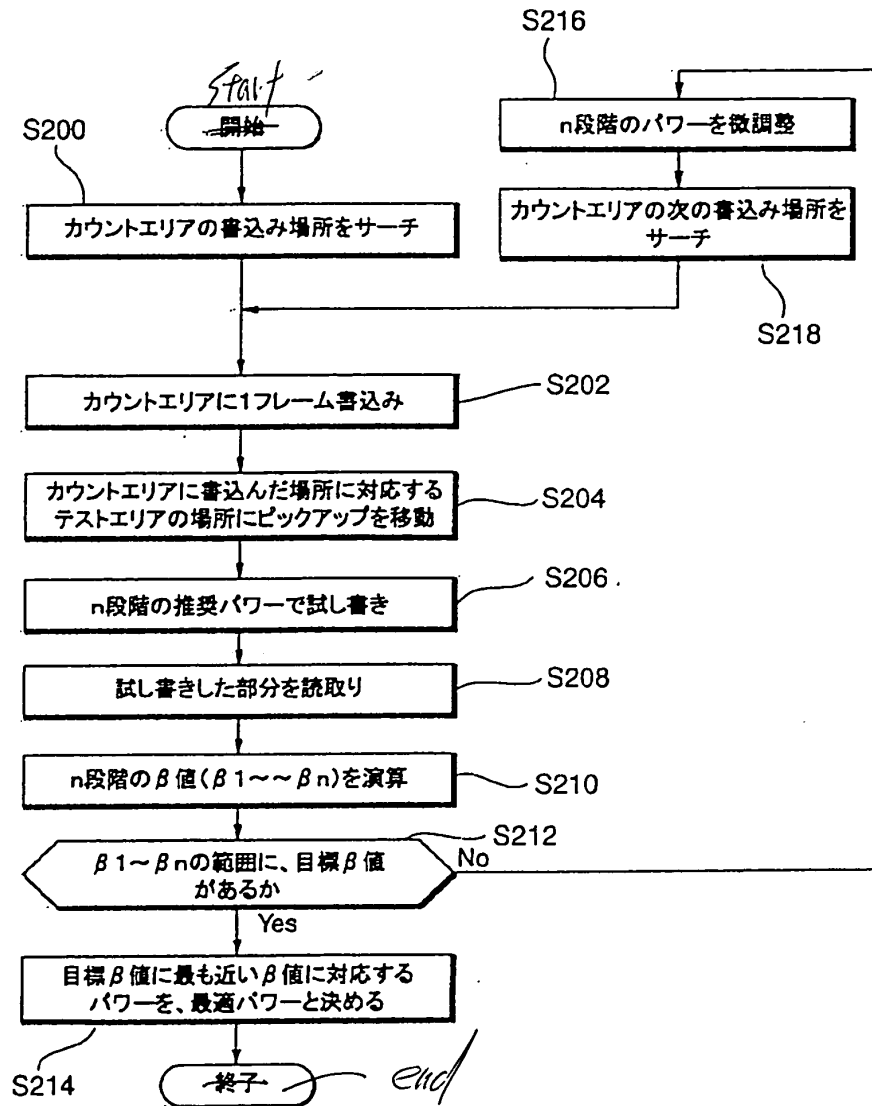


Fig. 9



- S200 SEARCH FOR WRITE LOCATION OF COUNT AREA
 S202 WRITE ONE FRAME INTO COUNT AREA
 S204 MOVE PICKUP TO LOCATION OF TEST AREA CORRESPONDING TO WRITE LOCATION INTO COUNT AREA
 S206 WRITE FOR TRY AT n STEPS OF RECOMMENDED POWER
 S208 READ TRIAL WRITE PORTION
 S210 CALCULATE n β values
 S212 DOES TARGET β value LIE IN RANGE OF b_1 TO b_n ?
 S214 DETERMINE THAT POWER CORRESPONDING TO β value CLOSEST TO TARGET β value IS OPTIMUM POWER
 S216 FINELY ADJUST n STEPS OF POWER
 S218 SEARCH FOR ANOTHER WRITE LOCATION OF COUNT AREA